

**Gregory J. Tsongalis, Ph.D., H.C.L.D., F.A.C.B.**

Department of Pathology and Laboratory Medicine

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**Professional Experience:**

Director, Molecular Pathology; Associate Director, Clinical Chemistry, Hartford Pathology Associates and the Department of Pathology and Laboratory Medicine, Hartford Hospital, Hartford, CT (1994-Present).

Clinical Research Fellow, Clinical Chemistry Training Program (Dr. Lawrence M. Silverman, Ph.D.) Department of Hospital Laboratories, Division of Molecular Pathology and Clinical Chemistry, University of North Carolina Hospitals, Chapel Hill, North Carolina, 1992-1994

Postdoctoral Research Associate, Molecular Carcinogenesis (Dr. David Kaufman M.D., Ph.D.), Department of Pathology, University of North Carolina, Chapel Hill, North Carolina, 1990-1992

**Academic Appointments:**

Assistant Professor, School of Allied Health, University of Connecticut, Storrs, CT (Adjunct, 2002-Present)

Assistant Professor, Department of Laboratory Medicine and Department of Pediatrics, University of Connecticut Health Center, Farmington, CT (Adjunct, 1995-Present)

Assistant Professor, Department of Pathobiology, University of Connecticut, Storrs, CT (Adjunct, 1995-Present)

Assistant Professor, Graduate Program in Biomedical Sciences, Quinnipiac University, Hamden, CT (Adjunct, 1996-Present)

**Teaching Experience:**

Lecturer and Problem-based Learning Group Leader, Medical Genetics Course, First Year Medical Students, University of Connecticut Medical School, Farmington, CT, 1994-1998

Lecturer and Course Organizer, Molecular Pathology (Graduate level, 3 cr.), Quinnipiac University, Hamden, CT, 1996-Present

Lecturer and Clinical Site Director, Diagnostic Genetic Sciences Program, University of Connecticut School of Allied Health, Storrs, CT, 1997-Present

Lecturer and Course Organizer, Molecular Diagnostics (Graduate level, 3 cr.), School of Allied Health, UCONN, Storrs, CT, 1999-Present.

Lecturer and Course Organizer, Molecular Diagnostic Technologies (Undergraduate level, 3 cr.; 2 cr. lab), School of Allied Health, UCONN, Storrs, CT, 2000-Present.

**Clinical Laboratory Experience:**

1986-1988, Department of Pathology, Saint Barnabas Medical Center, Livingston, New Jersey, Clinical

## Microbiology

1985-1986, Diagnostic Medical Laboratories, Branford, Connecticut, Surgical Pathology

1985-1986, West Haven Veterans' Administration Medical Center, West Haven, Connecticut - (6/85-10/85)

Saint Vincent's Medical Center

Bridgeport, Connecticut - (10/85-2/86)

Norwalk Community Hospital

Norwalk, Connecticut - (2/86-5/85)

## Surgical and Autopsy Pathology Internships

1985-1986, Department of Pathology, West Haven Veterans' Administration Medical Center, West Haven, Connecticut, Research Associate (Dr. Rosa Enriquez, M.D.) Fluorescent microscopic examination of pulmonary specimens for *Pneumocystis carinii*.

1985, Office of the Chief Medical Examiner, State of Connecticut, Farmington, Connecticut, Medicolegal Autopsy Pathology

## Board Certifications:

High complexity Clinical Laboratory Director (HCLD), American Board of Bioanalysis.

Clinical Laboratory Specialist in Molecular Biology (CLSpMB), National Certification Agency for Medical Laboratory Personnel.

Fellow Academy of Clinical Biochemistry

## Education:

Ph.D., Department of Pathology, University of Medicine and Dentistry of New Jersey

Newark, New Jersey

M.H.S., Quinnipiac College Hamden, Connecticut, Pathology Assistant Training Program

B.S., University of Massachusetts at Amherst, Major: Zoology, Minor: Chemistry

## Editorial Review Boards:

1998-present, *Clinica Chimica Acta*

1999-present, *Critical Reviews in Clinical Laboratory Sciences*

1999-present, *Experimental and Molecular Pathology*

## Honors and Awards:

1984, Zoology Departmental Honors in Research, University of Massachusetts, Amherst, MA.

1993, Experimental Pathologist in Training Merit Award, American Society for Investigative Pathology.

1993-Present, Ad hoc reviewer, BBA, Clin Chem, Arch Pathol Lab Med, Am J Clin Pathol, Molec

Diagn, J Forensic Sci, CCA

1994, Young Investigator Award, Academy of Clinical Laboratory Physicians and Scientists  
 1995, AACC Summer Fellowship Award for Participating Graduate Student  
 1995, George Grannis Award, National Academy of Clinical Biochemistry  
 1995, AACC Connecticut Valley Section Best Submitted Abstract Award  
 1996, IFCC-AVL National Award for “Significant Advances in Critical Care Testing”  
 1996, Association of Clinical Scientists, Young Scientist Award  
 1997, AACC Young Investigator Award  
 1999, IFCC-AVL National Award for “Significant Advances in Critical Care Testing”  
 1999, Outstanding Clinician Award, Diagnostic Genetic Sciences Program, UCONN SAH

### **Professional Affiliations:**

American Association for the Advancement of Science	American Association for Cancer Research
American Association for Clinical Chemistry	American Society of Human Genetics
American Society for Investigative Pathology	Association for Molecular Pathology
Connecticut Society of Pathologists	

### **Appointments and Advisory Groups:**

- American Association for Clinical Chemistry (AACC)
  - 1994, Molecular Pathology Division, Nominating Committee
  - 1995, Clinical Laboratory News, Editorial Advisory Board
  - 1995, CliniChem '96 Organizing Committee
  - 1996, Molecular Pathology Division Chair-Elect
  - 1996, Student Research Award Judge
  - 1996, San Diego Conference Abstract Review Committee
  - 1997, Molecular Pathology Division Chair
  - 1998, National Meeting Abstract Reviewer
  - 1998, National Meeting Organizing Committee for New Orleans, 1999
  - 1998, Organizing Committee for Symposium on Viral Testing in the Clinical Laboratory (Atlanta)
  - 1999, Nominating Committee ('99-'01)
  - 1999, Task Force on the San Diego Conference
  - 2000, Awards Committee ('00-present)
  - 2001, Pharmacogenomics Conference Organizing Committee
- American Society for Investigative Pathology (ASIP)
  - 2000, Program Committee ('00-present)
- Association for Molecular Pathology (AMP)
  - 1996, Nominating Committee
  - 1998, Training and Education Committee (Genetics Subdivision)
  - 2001, Training and Education Committee (Solid Tumors Subdivision)
  - 2003, Clinical Practice Committee (Infectious Disease Subdivision)

- Federal and Corporate Agencies
  - 1996, American Heart Association (CT Affiliate) SSRF Review Committee
  - 1996, National Certification Agency for Medical Laboratory Personnel, Molecular Advisory Committee
  - 1999, Promega Corporation, Clinical Molecular Biology Consultant
  - 1999, Molecular/Clinical Genetics Devices Panel of the Medical Device Advisory Committee, FDA ('99-present)
  - 1999, Roche Diagnostics PCR Advisory Board ('99-2002)
  - 1999, Centers for Disease Control Genetics Training Consultant ('99-present)
- Hartford Hospital
  - 1994, Mary Mulready Sullivan Oncology Symposium Organizing Committee, Hartford Hospital
  - 1996, CAP Inspection Team, Corning Clinical Laboratories, Baltimore, MD
  - 1997, CAP Inspection Team, Dianon Laboratories, Stamford, CT
  - 1997, Hartford Hospital Task Force on Customer Relations
  - 1999, Clinical Microbiology Task Force/Search Committee
  - 2002, Connecticut Children's Medical Center, Endowed Chair Cancer Genetics Search Committee
  - 2002, Chair, MT Program Advisory Board
- International Federation of Clinical Chemistry (IFCC)
  - 1998, Committee of Molecular Biology Techniques
- University of Connecticut
  - 1997, School of Allied Health Diagnostic Genetic Sciences Program Advisory Board
  - 1997, Connecticut Cancer Genetics Advisory Group
  - 1998, Ad Hoc Reviewer, UCONN Health Center Faculty Research Grant Program

### **Current, Pending and Previous Grant Support:**

Predoctoral Training Fellowship from the Graduate School of Biomedical Sciences, Department of Laboratory Medicine and Pathology, University of Medicine and Dentistry of New Jersey, Newark, New Jersey  
 Postdoctoral Fellowship from the Environmental Pathology Training Program, University of North Carolina at Chapel Hill, National Research Service Award from the National Institute of Environmental Health Sciences  
 Molecular Alterations in Human Breast Cancer, July 1994-July 1996.

DNA Fingerprinting for Identification of Urine Specimen Donors by the PM+DQA1 PCR Amplification and Typing Kit, August 1996-July 1997.

Clinical Outcome of Patients Exhibiting Gene Mutation of Coagulation Factor V During and Following Discharge from the ICU, July 1996-January 1998.

Apolipoprotein E genotypes of adults and elders with Down Syndrome, October 1995-September 1997.

Genetic and Epigenetic Abnormalities in the Development and Progression of Sporadic Breast Cancer, Hartford Hospital Research Office, January 1998-1999.

Comparison of FISH and immunohistochemical technologies for determining HER2 gene amplification in primary breast cancer, January 2002-Present.

### **Invited Presentations/Academic and Other Institutions (1998-Present):**

1998, Molecular diagnostics for the pediatric patient, Grand Rounds, Rockville Hospital, Rockville, CT. (Feb.)

1998, Molecular diagnostics in laboratory medicine, Department of Laboratory Medicine, UCONN, Farmington, CT (Feb.).

1998, Determination of clonality in lymphoid malignancies: Understanding the gold standard, Workshop on standards for nucleic acid diagnostic testing, National Institutes of Standards and Technology, Gaithersburg MD (March).

1998, Applications of molecular genetics in clinical practice. New England Regional Genetics Group Annual Meeting, Baystate Medical Center, Springfield, MA (April).

1998, Cell surface markers in lymphoma as molecular diagnostic models. AACC Northeast Section Symposium on: Cancer and the Clinical Laboratory, Boston, MA (June).

1998, Alternative in vitro amplification technologies. Molecular Diagnostics Review Course, UCONN, Storrs, CT (June).

1998, Molecular mechanisms of hereditary thrombophilia. Baystate Medical Center, Springfield, MA (Oct).

1998, Clinical applications of molecular biology: Case reports. 2nd Greek Congress on Clinical Chemistry, Athens, Greece (Nov).

1999, Hereditary Hemochromatosis, Intercity GI Rounds, Hartford Hospital (JAN).

1999, Chlamydia: It really is not a flower, Infectious Disease Seminar Series, NY, NY (March).

1999, Factor VII genotyping and risk for myocardial infarction, Beaumont Conference on DNA Technology in the Clinical Laboratory, Royal Oak, MI (March).

1999, Is it or isn't it: identity testing for the clinical pathologist, Baystate Medical Center, Springfield, MA (April).

1999, Mutation detection in laboratory medicine, Congress of pathology and Laboratory Medicine, Sao Paulo, Brazil (Sept).

2000, Molecular Diagnostic Applications for GI, GI Rounds, UCONN Health Center (JAN).

2000, Applications of human genome technologies in clinical practice, Grand Rounds, Midstate Medical Center, Meriden, CT (MAR).

2000, Molecular Diagnostic Clinical Applications, AACC Workshop, AACC National Meeting, San Francisco, CA (JUL).

2001, Clinical applications of forensic identity testing, Association of Clinical Scientists, Chapel Hill, NC (May).

2001, Nucleic acid manipulation, Association of Genetic Technologists, Minneapolis, MN (May).

2001, Identification of infectious agents using molecular techniques. Society for Applied Immunohistochemistry, New York, NY (June)

2001, DNA fingerprinting in tissue specimens. Society for Applied Immunohistochemistry, New York, NY (June)

2001, What is the Future of Molecular Diagnostics, CHILDX and ARUP, Salt Lake City, UT (June).

2001, Identity testing: Translation to the clinical laboratory, ARUP Laboratories, Salt Lake City, UT (June).

2001, A Review of Laboratory Practices in Pharmacogenomics, International Congress of Therapeutic Drug Monitoring and Clinical Toxicology, Washington, DC (Sept).

2001, Stem Cells, Capitol Region Education Council, Trinity College, Hartford, CT (Oct).

2001, HER2 as a marker for breast cancer, LabMed 2001, NY, NY (Oct).

2001, FISH Technology, LabMed 2001, NY, NY (Oct).

2001, Future impact of pharmacogenomics in laboratory medicine, LabMed 2001, NY, NY (Oct).

2002, The future of molecular diagnostic testing (audioconference) (Mar).

2002, Oncogenomics: A Focus on Prostate Cancer; AACCC National meeting, Orlando, FL (Jul).

## **Publications:**

### Books Authored/Edited

1. Coleman, William B. and **Gregory J. Tsongalis**, eds. *Molecular Diagnostics for the Clinical Laboratorian*, Humana Press, Totowa, NJ, 1997, 390 pp.
2. Wu, A.H.B., Moore, R.E., Burnett, R.W., **Tsongalis, G.J.** *Clinical Chemistry Self-Assessment*, Third Edition, AACCC Press, Washington, DC, 2000, 336 pp.
3. Coleman, William B. and **Gregory J. Tsongalis**, eds. *Molecular Basis of Human Cancer*, Humana Press, Totowa, NJ, 2002, 600 pp.
4. **Gregory J. Tsongalis** and Coleman, William B. *Molecular Diagnostics: A Training and Study Guide*, AACCC Press, In press.

### Book Chapters

1. Lambert, W. Clark, Warren S. Tanz, **Gregory J. Tsongalis** and Anthony O. Okorodudu, 1989. Defective DNA synthesis and/or repair in amyotrophic lateral sclerosis, In: *DNA Repair Mechanisms and Their Biological Implications in Mammalian Cells*, M.W. Lambert and J. Laval, eds. Plenum Press, 501-521.
2. **Tsongalis, Gregory J.** and Lawrence M. Silverman, 1994. Fragile X Syndrome: Molecular analysis of a genetically unstable trinucleotide repeat. *Bulletin Lab Med*, UNC Hospitals, Chapel Hill, NC. Vol. 132, 1-5.
3. Silverman, Lawrence M. and **Gregory J. Tsongalis**, 1994. Molecular Pathology. In: *Clinical Guide to Laboratory Tests*, Third Edition. N.W. Teitz, ed., 761-786.
4. **Tsongalis, Gregory J.**, 1994. Applications of Molecular Techniques to Anatomic Pathology. In: *Molecular Pathology: Approaches to Diagnosing Human Disease in the Clinical Laboratory*, L.M. Silverman and R. Heim, eds. Carolina Academic Press, 33-55.

5. Silverman, Lawrence M. and **Gregory J. Tsongalis**, 1995. Isoenzymes. In: Encyclopedia of Analytical Science, Academic Press Limited, 1197-1201.
6. Chapman, John F. and **Gregory J. Tsongalis**, 1996. Pregnancy and Fetal Function. In: Clinical Chemistry, L.A. Kaplan and A.J. Pesce, eds. TMIP Ltd, 793-819.
7. **Tsongalis, Gregory J.**, 1996. Localized In Situ Amplification (LISA): PCR Amplification of Nucleic Acid Sequences in Tissue Sections. In: PRINS and In Situ PCR, J.R. Gosden ed., Humana Press, 71:133-139.
8. **Tsongalis, Gregory J.**, 1997. An Overview of Molecular Genetics. In: Molecular Diagnostics for the Clinical Laboratorian, Coleman, William B. and Gregory J. Tsongalis, eds. Humana Press, 217-228.
9. Coleman, William B. and **Gregory J. Tsongalis**, 1997. Molecular Mutations in Human Neoplastic Disease, In: Molecular Diagnostics for the Clinical Laboratorian, Coleman, William B. and Gregory J. Tsongalis, eds. Humana Press, 293-316.
10. **Tsongalis, Gregory J.**, Rezuze, William N., Wu, Alan H.B., 1997. An epidemiological study to evaluate the incidence of activated protein C resistance in the general population using a PCR-mediated RFLP assay, In: Advances in Critical Care Testing, List, W.F., Muller, M.M., McQueen M.J., Springer Verlag, 211-222.
11. **Tsongalis, Gregory J.**, Rezuze, William N., 1997. Molecular genetics and Factor V Leiden mutation analysis, In: Biotechnology International, Fox, F., Connor, T.H., eds. Universal Medical Press, 73-77. (December).
12. Normandin, Michele and **Tsongalis, Gregory J.**, 1999. Detection methods for nucleic acid amplification products, In: *Laboratory Diagnosis of Viral Infections*, 3rd ed., Lennette E.H. and Smith T.F., eds. Marcel Dekker, Inc., 177-193 (May).
13. **Tsongalis, Gregory J.**, Douglas R. Linfert, Lisa M. Almeida, 1999. Assessing chimerism after an allogeneic bone marrow transplant using polymorphic sequence analysis. In: Biotechnology International II, Connor, T.H., Weier, H.U., Fox, F. eds. Universal Medical Press, 117-121. (May).
14. Coleman, William B. and **Tsongalis, Gregory J.**, 2002. Cancer Epidemiology. In: The molecular Basis of Human Cancer, Coleman, William B. and Gregory J. Tsongalis, eds. Humana Press, 3-22.
15. Coleman, William B. and **Tsongalis, Gregory J.**, 2002. The role of genomic instability in the development of human cancer. In: The molecular Basis of Human Cancer, Coleman, William B. and Gregory J. Tsongalis, eds. Humana Press, 115-142.

1. **Tsongalis, Gregory J.**, W. Clark Lambert and Muriel W. Lambert, 1990. Electroporation of normal human endonucleases into xeroderma pigmentosum cells corrects their DNA repair defect, *Carcinogenesis*, 11:499-503.
2. **Tsongalis, Gregory J.**, W. Clark Lambert and Muriel W. Lambert, 1990. Correction of the ultraviolet induced DNA repair defect in xeroderma pigmentosum cells by electroporation, *Mutation Research*, 244:257-263.
3. Lambert, M.W., **G.J. Tsongalis**, W.C. Lambert, B. Huang and D.D. Parrish, 1991. Defective DNA endonucleases in Fanconi's anemia cells, complementation groups A and B, *Mutation Research*, 273: 57-71.
4. **Tsongalis, Gregory J.**, William B. Coleman, Gary J. Smith and David G. Kaufman, 1992. Partial characterization of nuclear matrix attachment regions from human fibroblast DNA using *Alu* polymerase chain reaction, *Cancer Research*, 52:3807-3810.
5. **Tsongalis, Gregory J.**, William B. Coleman, Gwyn L. Esch, Gary J. Smith and David G. Kaufman, 1993. Identification of human DNA in complex biological samples using the *Alu* polymerase chain reaction, *Journal of Forensic Sciences*, 38(4):961-967.
6. Brylawski, Bruna P., **Gregory J. Tsongalis**, Marila Cordeiro-Stone, W. Todd May, Laurey D. Comeau and David G. Kaufman, 1993. Putative association of origins of replication with the nuclear matrix in normal human fibroblasts, *Cancer Research*. 53:3865-3868.
7. **Tsongalis, Gregory J.** and Lawrence M. Silverman, 1993. Molecular Pathology of the Fragile X Syndrome, *Arch. Pathol. Laborat. Med.* 117:1121-1125.
8. **Tsongalis, Gregory J.**, William K. Kaufmann, Sandra J. Wilson, Kenneth J. Friedman, and Lawrence M. Silverman, 1994. Rapid screening for p53 mutations using a sensitive heteroduplex detection technique. *Clinical Chemistry*, 40:485-486.
9. **Tsongalis, Gregory J.**, Althea McPhail, Daniel Lodge-Rigal, Lawrence M. Silverman, and John F. Chapman, 1994. Localized in situ amplification (LISA): A novel approach to in situ PCR, *Clinical Chemistry*, 40:381-384.
10. **Tsongalis, Gregory J.** and Lawrence M. Silverman, 1994. In situ amplification: Detection of target sequences in whole tissues. *Annals Clin Lab Sci.* 24:436-440.
11. **Tsongalis, Gregory J.**, George Faber, Frederic G. Daldorf, Kenneth J. Friedman, Lawrence M. Silverman, and James R. Yankaskas, 1994. Association of pancreatic adenocarcinoma, mild lung disease, and delta F508 mutation in a cystic fibrosis patient. *Clin. Chem.* 40:1972-1974.



12. **Tsongalis, Gregory J.** and Lawrence M. Silverman, 1994. DNA repair: Understanding mechanisms involved in neoplastic disease. *Clin. Lab. News.* 20:8,22.
13. Coleman, W.B. and **G.J. Tsongalis**, 1995. Multiple mechanisms account for genomic instability and molecular mutation in neoplastic transformation. *Clin. Chem.* 41(5):644-657.
14. Johnson, R.C., C.A. Pedersen, R.W. Cartun, R.E. Moore, A. Ricci Jr., **G.J. Tsongalis**, 1995. Characterization of an immunohistochemically localized truncated p53 protein by molecular analysis. *Cell Vision.* 2(5):338-342.
15. Albright, C.D., **G.J. Tsongalis**, J.H. Resau, D.G. Kaufman, 1995. Human endometrial carcinoma cells release factors which inhibit the growth of normal epithelial cells. *Cell Biol.Toxicol.* 11:251-261.
16. Contois, John, Denise E. Anamani, **Gregory J. Tsongalis**, 1996. The underlying molecular mechanism of apolipoprotein E polymorphism: Relationships to cardiovascular and Alzheimer's disease. *Clinics in Laboratory Medicine.* 16:105-123.
17. Hodges, K.A., C.M. Kosciol, W.N. Rezuze, E.C. Abernathy, W.T. Pastuszak, **G. J. Tsongalis**, 1996. Enhanced chemiluminescent detection of gene rearrangements in hematologic malignancy. *Annals Clin Lab Sci.*, 26:114-118.
18. **Tsongalis, Gregory J.**, Anamani, Denise E., Wu, Alan H.B., 1996. DNA fingerprinting of urine specimen donors by polymerase chain reaction amplification typing of the HLA DQ $\alpha$  locus. *J Forensic Sci.* 41(6):1031-1034.
19. Lambert, M.W., **Tsongalis, G.J.**, Lambert, W.C., Parrish, D.D., 1997. Correction of the DNA repair defect in Fanconi anemia complementation groups A and D cells. *Biochem Biophys Res Commun*, 230(3):587-591.
20. Mandavilli, S., Cartun, R.W., Ricci Jr., A., **Tsongalis, G.J.**, 1997. Immunohistochemical evaluation of genetic and epigenetic factors in primary breast cancers. *J Histotechnol*, 20:27-30.
21. **Tsongalis, G.J.**, Berman, M.M., 1997. Application of forensic identity testing in a clinical setting. *Diagn Mol Pathol*, 6(2):111-114.
22. **Tsongalis, G.J.**, Mandavilli, S., Johnson, R.C., Cartun, R.W., Ricci Jr., A., Esch, G.L., Smith G.A., Coleman, W.B., 1997. bcl-2 expression in a subset of p53 mutant primary breast cancers. *Cell Vision*, 4(1):32-37.
23. Saif, M.W., Volpe, B.T., Dailey, M., **Tsongalis, G.J.**, 1997. Life threatening pulmonary embolus in a Factor V Leiden carrier on oral contraceptives: A case report. *Connecticut Medicine*, 61(6):333-337.

24. Joshi, V.V. and **G.J. Tsongalis**, 1997. Correlation between morphologic and nonmorphologic prognostic markers of neuroblastoma. Challenges and Opportunities in Pediatric Oncology, Annals N.Y. Acad. Sci., 824:71-83.
25. Rezuze, W.N., Abernathy E., **Tsongalis, G.J.**, 1997. Molecular Diagnosis of B and T Cell Lymphomas: Fundamental Principles and Clinical Applications. Clin. Chem., 43(10):1814-1823 (Oct.).
26. Chen, Chunguang, Lijie Ma, Douglas R. Linfert, Tianjie Lai, John T. Fallon, Linda D. Gillam, David D. Waters, **Gregory J. Tsongalis**, 1997. Myocardial cell death and apoptosis in hibernating myocardium. J. Am. Col. Cardiol., 30(5):1407-1412 (Nov.).
27. Linfert, Douglas R., Chunguang Chen, Lijie Ma, Tianjie Lai, **Gregory J. Tsongalis**, 1997. Internucleosomal DNA fragmentation in apoptotic myocytes from a pig model. Clin. Chem., 43(12):2431-2434 (Dec.).
28. Wu, A., D.R. Linfert, **G.J. Tsongalis**, C. McKay, 1998. DNA typing of urine: A case report. MRO Update (Jan).
29. **Tsongalis, Gregory J.**, Andrew Ricci Jr., 1998. Diagnostic capabilities for molecular oncology. Advance for Administrators of the Laboratory, 7(5):85-86 (May).
30. **Tsongalis, Gregory J.**, Linfert, D.R., Johnson, R.C., Ackroyd, R., Berman, M.M., Ricci Jr., A., 1998. Double heterozygosity for mutations in the BRCA1 and BRCA2 genes in a breast cancer patient. Archives Pathol Lab Med, 122:548-550. (Jul)
31. Linfert, Douglas R., Alan H.B. Wu, **Gregory J. Tsongalis**, 1998. The effect of pathologic substances and adulterants on the DNA typing of urine by the PM+DQA1 assay kit. J Forensic Sci 43(5):1041-1045. (Sept).
32. Linfert, D.R., W.N. Rezuze, **G.J. Tsongalis**, 1998. Rapid multiplex analysis for the Factor V Leiden and prothrombin G20210A mutations associated with hereditary thrombophilia. Connecticut Med 62(9):519-525 (Sept).
33. **Tsongalis, G.J.**, Coleman, W.B., 1998. Molecular Oncology: Diagnostic and prognostic assessment of human cancers in the clinical laboratory. Cancer Invest 16(7):485-502. (Oct).
34. Johnson, Richard C., Andrew Ricci Jr., Richard W. Cartun, **Gregory J. Tsongalis**, 1998. Clinical laboratory evaluation of erbB-2 oncogene amplification in primary human breast cancers. Europ J Laborat Med 6(3):156-160 (Dec).
35. **Tsongalis, Gregory J.**, Alan J. Stevenson, Katherine A. Hodges, William N. Rezuze, 1998. Clonal analysis of B-cell lymphoproliferative disorders. Europ J Laborat Med 6(3):142-145 (Dec).

36. Linfert, Douglas R., **Gregory J. Tsongalis**, 1998. Confirmation of known gene mutations using a reverse dot blot assay. *Europ J Laborat Med* 6(3):146-149 (Dec).
37. Fiel-Gan, M.D, L.M. Almeida, D.C. Rose, A. Takano, W.N. Rezuze, R.W. Cartun, W.B. Coleman, N. Garcia, **G.J. Tsongalis**, 1999. Proliferative fraction, bcl-1 gene translocation, and p53 mutation status are independent prognostic indicators in mantle cell lymphoma. *Intl J Molec Med* 3:373-379 (March).
38. Frasca Jr., S., D.R. Linfert, **G.J. Tsongalis**, T.S. Gorton, A.E. Garmendia, R.P. Hedrick, A.B. West, H.J. Van Kruiningen, 1999. Molecular characterization of the Myxosporean associated with parasitic encephalitis of farmed Atlantic salmon *Salmo salar* in Ireland. *Diseases of Aquatic Organisms* 35:221-233 (April).
39. **Tsongalis, G.J.**, A.H.B. Wu, H. Silver, A. Ricci Jr., 1999. Applications of forensic identity testing in the clinical laboratory. *Am J Clin Pathol* 112:S93-S104 (July).
40. Vadlamudi, G., W.N. Rezuze, J.W. Ross, R.W. Cartun, R. Ackroyd, D.R. Knibbs, **G.J. Tsongalis**, 1999. The use of monoclonal antibody R92F6 and polymerase chain reaction to confirm the presence of parvovirus B19 in bone marrow specimens of patients with acquired immunodeficiency syndrome. *Arch Pathol Lab Med.* 123(9):768-773 (Sep).
41. Coleman, William B., **Gregory J. Tsongalis**, 1999. The role of genomic instability in human carcinogenesis. *Anticancer Research* 19:1-20.
42. Marshall, D.S., D.R. Linfert, **G.J. Tsongalis**, 1999. Prevalence of the C282Y and H63D polymorphisms in a multi-ethnic control population. *Intl J Molec Med* 4:389-393.
43. Wu AHB, Holtman V, **Tsongalis GJ**, Macer J, 1999. Homocysteine screening of a female hispanic population. *Intl J Molec Med, Int J Mol Med.* 4(3):295-7 (Sep).
44. Fiel-Gan M., C.F. Villamil, S.R. Mandavilli, M. Ludwig, **G.J. Tsongalis**, 1999. Rapid detection and typing of HSV from cytology specimens collected into thinprep fixative. *Acta Cytologica* 1999;43:1034-8 (Nov-Dec).
45. Feng YJ, Linfert DR, Wu AHB, **Tsongalis GJ**. 1999. Polymorphisms in the genes for coagulation factors II, V, and VII in Patients With Ischemic Heart Disease. *Arch Pathol Lab Med.* 1999;123:1230-1235 (Dec).
46. Makowski GS, Hopfer SM, **Tsongalis GJ**, Wu AH, 2000. Changes in Academic Productivity: Implications for Clinical Laboratory Research and Development. *Clin Chem* Feb;46(2):303-305
47. Joshi VV, Balarezo F, Hicks MJ, Mierau GW, **Tsongalis GJ**, 2000. Approach to small round cell tumors of childhood. *Pathol Case Reviews* 5:26-41.

48. Johnson, R.C., A. Ricci Jr., R.W. Cartun, R. Ackroyd, **G.J. Tsongalis**, 2000. Detection of p185HER2 overexpression in breast cancer using a molecular and immunohistochemical approach. *Cancer Investigation* 18(4):336-342 .
49. Mandavilli B., R.M. Shoup, J.A. DiGiuseppe, W.N. Rezuze, **G.J. Tsongalis**, 2000. Concurrent Factor V leiden and prothrombin G20210A gene mutations in a patient with a history of recurrent thrombosis. *Conn Med* 64:259-261(May).
50. **Tsongalis GJ**, RW Cartun, A Ricci Jr., 2000. Gene amplification as a means for determining therapeutic strategies in human cancers. *Clin Chem Lab Med*, 38(9):837-9 (Sep).
51. Felice KJ, Lira MG, Natowicz M, Grunnett ML, **Tsongalis GJ**, Sima AAF, Kaplan RF, 2000. Adult onset MLD: A gene mutation with isolated polyneuropathy. *Neurology* 55:1036-1039 (Nov)
52. Marshall DS, Linfert DR, Draghi A, McCarter YS, **Tsongalis GJ**. 2001. Identification of herpes simplex virus genital infection: Comparison of a multiplex PCR assay and traditional viral isolation techniques. *Mod Pathol*, 14(3):152-156.
53. Rhodes RB, Lewis K, Shultz J, Huber S, Voelkerding KV, Leonard DGB, **Tsongalis GJ**, Kephart DD, 2001. Automated analysis of the Factor V Leiden mutation using a novel luciferase-based molecular analysis tool. *Molec Diagn*, 6(1):55-61.
54. **Tsongalis GJ**, Ricci Jr A, 2001. HER2: The Neu prognostic marker for breast cancer. *Crit Rev Lab Med* 38(2):167-182.
55. Linfert DR, **GJ Tsongalis**, 2001. Coexistence of the methylenetetrahydrofolatereductase (MTHFR) single nucleotide polymorphism (C677T) in patients with the Factor V Leiden or prothrombin G20210A polymorphisms. *Diagn Molec Pathol* 10(2):111-115.
56. Wu AH, **Tsongalis GJ**, 2001. Correlation of polymorphisms to coagulation and biochemical risk factors for cardiovascular diseases. *Am J Cardiol* 87(12):1361-1366.
57. Wieczorek SJ, **Tsongalis GJ**, 2001. Pharmacogenomics: Will it change the field of medicine? *Clin Chim Acta* 308:1-8.
58. **Tsongalis GJ**, Rainey BJ, Hodges KA, 2001. READIT: A novel technology used in the interrogation of nucleic acid sequences for single nucleotide polymorphisms (SNPs). *Exper Molec Pathol* 71:222-225.
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